

DESCRIPTION

Mugu Lagoon is located at the mouth of the Calleguas Creek watershed, and is one of the few remaining significant saltwater wetland habitats in Southern California. The Point Mugu Naval Air Base is located in the immediate area, and the surrounding Oxnard Plain supports a large variety of agricultural crops. These fields drain into ditches that enter the lagoon either directly or through Calleguas Creek and its tributaries. Revelon Slough is one of the major tributaries of Calleguas Creek.

Land use varies throughout the Calleguas watershed. Urban developments are generally restricted to the city limits of Simi Valley, Moorpark, Thousand Oaks, and Camarillo. Agricultural activities, primarily cultivation of orchards and row crops, are spread out along the valleys and the Oxnard Plain. Supplies of groundwater are critical to agricultural operations and industry in the watershed. Moreover, much of the population in the water shed relies upon groundwater for drinking.



Mugu Lagoon Ocean Entrance
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For more photos, visit:
www.californiacoastline.org.

REASON FOR CCA IDENTIFICATION

Mugu Lagoon/Revelon Slough was one of the original CCAs identified in 1995 as an **impaired estuary**.

POLLUTED RUNOFF CONDITIONS

	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	<u>2002 303(d)-Listed Pollutants</u> TMDL Priority (& Proposed Completion Year if available)					
Selected Coastal Zone Waterbodies	<u>Nitrogen & Ammonia</u>	<u>Sediment</u>	<u>Pesticides (Chlordane, Endosulfan, DDT, ChemA)</u>	<u>Metals (Copper, Mercury, Nickel, Zinc)</u>	<u>PCBs</u>	
Magu Lagoon ▲ (=Calleguas Creek Reach 1)	▲ <u>Nitrogen</u> High (2002)	▲ Medium	▲ Medium	▲ Medium	▲ Medium	
Calleguas Creek Reach 2 ■ (=Estuary to Portrero Road)	■ High (2002)	■ Low	■ Medium & <u>Toxaphene</u> Low	■ <u>Copper</u> Low	■ Medium	
Revelon Slough ●	[●] ¹	[●] ¹	[●] ¹			
Potential Sources of Pollutants in Coastal Waterbodies						
Agriculture	[▲ ■ ●] ¹	▲■	[▲■●] ¹			a, b, e, k, l
Forestry (Silviculture)						
Urban Areas	[▲ ■ ●] ¹	[▲ ■ ●] ¹		[▲ ■ ●] ¹		a, c, d, e, i, j, k, l, m
Marinas & Boating						
Hydromodification		[■] ¹	[▲ ■ ●] ¹			a, b, c, e, f, g, m
Wetlands & Riparian Areas						a, e, f

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Potential Sources of Pollutants, continued	Nitrogen & Ammonia	Sediment	Pesticides (Chlordane, Endosulfan, DDT, ChemA)	Metals (Copper, Mercury, Nickel, Zinc)	PCBs	Efforts to Address Pollutants
Erosion/Siltation						a, b, e, g, h, k
Unspecified Nonpoint Source	▲ ■		▲ ■	▲ ■	▲ ■	a, e,
Natural Sources		▲ ■				

¹ Brackets indicate information from the Regional Water Quality Control Board (RWQCB) on pollutants, and potential sources of pollutants, which are not listed on the 303(d) list for the waterbody indicated. The RWQCB also reports that salt is a pollutant of concern in this watershed.

MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

a)	Wishtoyo Foundation			http://www.wishtoyo.org/vck-mugu-lagoon.html
Ventura CoastKeeper		Mati Waiya	(805) 382-4540	info@wishtoyo.org
➤ The Ventura CoastKeeper has joined the Restoration Advisory Board to participate in decision-making, which will affect the future health of this important site.				
b)	Calleguas Creek Watershed Treatment Phase I, II and III (1995-2000 for Phase I and II)			http://endeavor.des.ucdavis.edu/wpi/ProjectDescription.asp?ProjectPK=4175 http://www.vcrd.org/
Ventura County Resource Conservation District		Peggy Rose	(805) 386-4685	vcrd@vcrd.org
➤ Phase I and II focused on Best Management Practices for small, individual landowners/farmers. This project demonstrated sub-watershed channel stabilization through the use of grade stabilization and streambank restoration.				
c)	Calleguas Regional Salinity Management Project			http://www.calleguas.com/project_broc.pdf
Calleguas Municipal Water District (CMWD)		Macaria Flores, contract manager; Eric Bergh, CMWD	(213) 576-6633 (805) 526-9323	maflores@waterboards.ca.gov ebergh@calleguas.com
➤ The proposed project is designed to manage high salinity water use and disposal.				
d)	Calleguas Creek Water Quality Monitoring Program			http://www.wishtoyo.org/vck-water-quality-monitoring.html
Wishtoyo Foundation Ventura Coastkeeper		Mati Waiya	(805) 382-4540	info@wishtoyo.org
➤ Funded by 319(h) grant to educate and train volunteers to conduct a citizen monitoring program in the watershed to measure effectiveness of the BMPs.				
e)	Calleguas Creek Watershed Management Plan			http://www.calleguas.com/ccbrochure/cc.htm
Calleguas Creek Watershed Management Committee			(805) 579-7140	watershed@calleguas.com
➤ With broad stakeholder participation, will address a long-range comprehensive preservation, enhancement, and management strategy. A technical sub-committee conducts public outreach on water quality problems in the lagoon.				
f)	Calleguas Creek Watershed Management Committee, Habitat, Natural Resources, and Recreation Subcommittee			http://www.calleguas.com
Calleguas Creek Watershed Management Committee			(805) 579-7140	watershed@calleguas.com

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➤ Mapping key habitat areas within the watershed and defining wetland restoration options such as restoring wetlands along the main channels and recreating historic floodplains.				
g)	Calleguas Creek Watershed Management Committee, Flood Protection and Sedimentation Sub-committee			http://www.calleguas.com
Calleguas Creek Watershed Management Committee			(805) 579-7140	watershed@calleguas.com
➤ Evaluating measures to reduce flooding and sedimentation including increasing capacity of certain reaches of the creek and its tributaries.				
h)	Calleguas Creek Watershed Erosion and Sediment Control Plan for Mugu Lagoon (1995)			http://gis.ca.gov/catalog/BrowseRecord.epl?id=3447
USDA Natural Resources Conservation Service			(805) 386-4489	
➤ Prepared sediment and erosion control program for Ventura County Resource Conservation District.				
i)	Region-wide Watershed Monitoring Program			http://www.nrcs.usda.gov/programs/watershed/
USDA Natural Resources Conservation Service			(805) 386-4489	
➤ Program was created with the help of local wastewater treatment facilities to fill in data gaps and eliminate duplicative and ground water characterization study and assess nonpoint source pollution from variety of land uses.				
j)	Drought Policy			http://www.waterboards.ca.gov/losangeles/
L.A. Regional Water Quality Control Board		Macaria Flores	(213) 576-6633	maflores@waterboards.ca.gov
➤ As part of its Basin Planning, adopted Resolution 90-004 (Drought Policy) to provide interim relief to dischargers having difficulty meeting chloride objectives because of statewide drought.				
k)	Best Management Practices			http://www.vcstormwater.org/
Ventura Countywide Stormwater Quality Management Program		Darla Wise	(805) 654-2001	Darla.Wise@mail.co.ventura.ca.us
➤ Best Management Practices implemented under Storm Water Permit for urban areas in Ventura County.				
l)	Establishment of Nutrient TMDL in Calleguas Creek			http://www.waterboards.ca.gov/losangeles/html/programs/regional_programs.html
UCLA; and State Water Resources Control Board (SWRCB)		Sam Unger (SWRCB)	(213) 576-6784	sunger@waterboards.ca.gov
➤ Contract between UCLA and SWRCB to provide data for establishment of nutrient Total Maximum Daily Loads (TMDLs) in several watersheds, including Calleguas Creek.				
m)	Assessment of Soil and Groundwater at Dept. of Defense Agencies			http://www.waterboards.ca.gov/losangeles/
Department of Toxic Substances Control (DTSC); and L.A. Regional Water Quality Control Board (RWQCB)		Macaria Flores (RWQCB)	(213) 576-6633	maflores@waterboards.ca.gov
➤ DTSC and RWQCB to assess soil and groundwater quality at the Department of Defense agencies.				

REGULATORY/PLANNING JURISDICTIONS

➤ Ventura County, Planning Dept.	http://www.ventura.org/planning/	Nancy Settle	(805) 654-2465	nancy.settle@mail.co.ventura.ca.us
➤ Ventura County, Watershed Protection District	http://www.vcwatershed.org/	Darla Wise	(805) 654-2001	Darla.Wise@mail.co.ventura.ca.us

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➤ Calif. Coastal Commission, Water Quality Unit	http://www.coastal.ca.gov/nps/npsndx.html	Tracy Duffey	(805) 585-1809	tduffey@coastal.ca.gov
➤ Los Angeles Regional Water Quality Control Board	http://www.waterboards.ca.gov/losangeles/	Raymond Jay	(213) 576-6689	rjay@waterboards.ca.gov
➤ State Water Resources Control Board, ASBSs	http://www.swrcb.ca.gov/plnspols/oplans/asbs.html	Connie Anderson	(916) 341-5280	csanderson@waterboards.ca.gov
➤ California Coastal Conservancy	http://www.coastalconservancy.ca.gov/	Mary Small	(510) 286-4181	msmall@scc.ca.gov
➤ Calif. Dept. of Fish & Game	http://www.dfg.ca.gov/	Bill Paznokas	(858) 467-4218	wpaznokas@dfg.ca.gov
➤ Calif. State Parks, Angeles District	http://www.parks.ca.gov/v/?page_id=630	Suzanne Goode	(818) 880-0364	sgood@parks.ca.gov
➤ U.S. Navy, Point Mugu Naval Air Base	http://www.nbvc.navy.mil/		(805) 982-5445	